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No 1 (Part One.)

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Meteorological Office

Hydrometeorological Services (Met O 8)

Hydrological Memoranda: No. 1 (Metric Version)

Part I

Averages of Rainfall (millimetres)

for

England, Wales and the Islands

1916-1950

Monthly Weather Report and Daily Weather Report Stations

MO Dup? 3a (1)

G.11824/LG/12/66/200

Introduction

Hydrological Memorandum No. 1 was first published in January 1958. It contained monthly and annual averages in inches for the period 1916-1950 for 282 stations for which data were then being published in the Monthly Weather Report and the Monthly Summary of the Daily Weather Report.

In June 1964 a revised edition was published, this time in two parts, Part I giving averages for stations in England, Wales and the Islands, and Part II averages for stations in Scotland and Northern Ireland. The revised edition included averages for an additional 144 stations, averages for these stations being based in general on at least five years data. Averages were not included for all five year old stations for in a few cases calculations showed some slightly erratic results and in these cases the publication of averages was deferred pending the examination of data for a few more years. The wind swept sites of some airfields result in a noticeable deficiency in catch and the low averages for these sites were omitted as they were from the 1958 edition.

Averages in the revised 1964 edition of the Memorandum were first used in the Monthly Weather Report for January 1965. Averages in the 1958 edition of the Memorandum for stations which ceased prior to June 1964 were omitted from the revised 1964 edition.

From January 1967 the Meteorological Office is publishing all rainfall data in metric units in the Monthly Weather Report. The rainfall averages, in inches, for Monthly Weather Report stations published in June 1964 in Hydrological Memorandum No. 1 (revised). Parts I and II have been converted to millimetres and are now issued as Hydrological Memorandum No. 1 (Metric version), Parts I and II. Some of the monthly averages have been slightly adjusted so that for any station the sum of the twelve monthly averages in millimetres is exactly equal to the annual average in millimetres. Such adjustments involve an element of subjective judgement, but are based on fairly obvious and commonsense rules (e.g. they are applied to months with relatively large average values, in order to minimise the percentage adjustment for individual months) and, at the most, are rarely as much as one per cent.

The 305 stations for which averages are now published in millimetres fall into three classes, indicated by the letters A, B or C against the station names with the following significance:-

Class A. Averages for 72 stations reproduced here for the sake of completeness and convenience, are given in inches in "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950". This, the major publication with regard to monthly and annual averages of rainfall, 1916-1950, contains information for 719 stations based on records which were complete or nearly complete for the entire 35-year period. The introduction of this publication (M.O.635) should be consulted for further discussion of these averages.

Class B. Averages for 10 stations have been taken from a supplementary list of stations with averages similar in all respects to those of Class A. The information was excluded from the major publication simply because the areas represented were well covered by averages for the 719 stations in the final selection.

Class C. Averages for 223 stations with incomplete data during the 35-year period, 1916-1950. The data for the different stations were incomplete in the sense of being either non-existent for various years or not satisfactory because of site factors, faulty instruments or defective observational techniques. But in each case, however short the period for which satisfactory data were available, the computed averages represent the whole period 1916-1950, and the final values have been tested to ensure that they are, as far as possible, acceptably representative for the period. It is, of course, possible especially for stations established in relatively recent years, that with the accumulation of further data some adjustment of these averages will become desirable. (The same remark may apply, though with very much reduced force, to a few of the stations in classes A and B for which data were not complete or fully reliable, or where it has become necessary to move the climatological enclosure a short distance).

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In this class C, averages for 177 stations were included for the first time in the 1964 edition. A few, however, had revised averages.

In the main table which follows, the stations have been arranged in the order of the districts used in the Monthly Weather Report. For each station the National Grid Reference has been given. Altitudes are to be found in column 3 of Table III in any Monthly Weather Report.

The final table gives the values in millimetres of average general rainfall, 1916-1950, over England, Wales, Scotland, N. Ireland, Gt. Britain and the United Kingdom. The values published in January 1958 were provisional only, being calculated from the information then available. This set of averages has been based on annual values obtained by planimeter measurements of the maps of average annual rainfall which were not available in 1957. It is considered that they are the best it is possible to provide.

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Meteorological Office, Met O 8b
Bracknell, Berks.

December, 1966

G.11824/LG/12/66/200

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Isle of Man	Ronaldsway	SC (24) 279688	C	97	60	55	51	56	54	59	75	81	98	91	95	871
	Douglas	SC (24) 382776	A	127	79	74	67	73	71	78	98	107	129	120	124	1147
	Point of Ayre	NX (25) 467043	C	87	53	49	45	51	49	55	68	73	88	82	86	786
England N.E.																
Northumberland	Kielder Castle	NY (35) 632935	C	137	90	79	76	76	76	107	118	111	126	114	111	1221
	Bellingham	NY (35) 808911	C	93	65	56	55	57	56	83	87	82	88	84	76	882
	Berwick-on-Tweed	NU (46) 002528	C	52	38	38	34	45	43	61	69	51	61	57	43	592
	Cockle Park	NZ (45) 200912	A	71	48	46	49	56	46	73	77	62	68	70	64	730
	Acklington	NU (46) 225000	C	63	43	42	44	49	43	67	71	57	65	64	59	667
	Tynemouth	NZ (45) 374694	C	59	42	39	41	51	45	75	77	59	63	63	61	675
Durham	Chopwellwood	NZ (45) 136580	C	66	50	46	47	55	52	78	78	63	70	70	64	739
	Ushaw	NZ (45) 219436	B	68	53	50	48	56	48	73	73	66	69	74	64	742
	Houghall	NZ (45) 277405	C	64	47	43	45	54	49	74	74	62	67	68	61	708
	Durham	NZ (45) 264416	A	59	45	42	43	51	46	71	69	60	61	63	58	668
	Gateshead	NZ (45) 268604	C	60	45	43	44	53	54	71	81	59	65	65	61	701
	W. Hartlepool	NZ (45) 510327	C	55	38	35	41	49	45	64	68	55	59	63	51	623
Yorkshire N.R.	Dishforth	SE (44) 379723	C	61	45	38	42	49	45	63	63	53	60	60	56	635
	York	SE (44) 598522	A	59	43	36	43	50	47	63	65	53	56	60	52	627
	Ampleforth	SE (44) 598789	C	74	54	47	50	56	54	74	78	65	69	76	66	763
	Redcar	NZ (45) 599249	C	53	40	35	37	46	44	62	66	52	58	64	51	608
	Whitby	NZ (45) 895109	C	64	49	41	41	48	46	64	70	54	61	67	64	669
	Scarborough	TA (54) 044884	A	64	46	38	45	47	43	63	66	53	57	65	62	649
	Silpho Moor	SE (44) 957946	C	84	62	52	54	61	58	82	87	69	78	86	81	854

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Yorkshire E.R.	High Mowthorpe	SE (44) 885688	C	~~61~~ 78	~~54~~ 56	~~58~~ 48	~~48~~ 55	58	~~60~~ 60	~~72~~ 74	~~75~~ 80	~~62~~ 52	~~72~~ 89	~~80~~ 72	~~72~~ 75	778
	Hull	TA (54) 084302	A	60	47	38	46	49	44	61	66	52	60	65	57	645
	Filey	TA (54) 113801	C	66	47	41	48	51	45	62	67	55	62	73	68	685
	Bridlington	TA (54) 175689	C	68	49	42	48	51	44	61	67	58	65	74	69	696
Lincoln	Lincoln	SK (43) 962719	C	52	43	37	43	48	43	61	58	49	53	65	51	603
	Cranwell	TF (53) 003494	A	53	42	37	42	50	40	64	55	51	55	59	49	597
	Cleethorpes	TA (54) 314079	A	56	45	37	43	47	41	57	54	47	55	61	52	595
	Manby	TF (53) 391869	C	53	41	34	42	45	40	54	56	49	53	59	53	579
	Skegness	TF (53) 569631	A	53	39	33	41	42	38	56	54	51	51	59	51	568
England E.																
Norfolk	Terrington St. Clements	TF (53) 547187	C	46	34	30	38	40	38	55	48	46	48	52	44	519
	Santon Downham	TL (52) 813901	C	58	45	38	52	49	46	72	63	61	61	66	56	667
	W. Raynham	TF (53) 847245	C	65	52	41	52	52	50	74	60	68	69	74	61	718
	Cromer	TG (63) 208422	C	63	47	40	47	47	41	67	56	60	70	75	65	678
	Sprowston	TG (63) 251123	B	59	44	39	46	45	44	65	54	58	65	68	58	645
	Burlingham	TG (63) 373101	C	57	42	37	45	43	43	64	53	57	62	70	57	630
	Gorleston	TG (63) 534037	A	56	41	34	42	38	42	59	51	57	62	70	55	607
Suffolk	Mildenhall	TL (52) 683778	C	48	36	32	43	41	38	61	52	51	49	52	46	549
	E. Bergholt	TM (62) 077333	C	57	41	37	46	41	39	53	53	50	61	66	56	600
	Lowestoft	TM (62) 543947	A	56	39	34	42	38	41	59	54	53	59	69	56	600
Cambridge	Boxworth	TL (52) 347639	C	51	36	33	43	45	38	58	44	49	49	53	44	543
	Cambridge (Bot. Gdn)	TL (52) 453572	A	50	35	33	45	46	37	61	48	52	50	53	42	552
	Cambridge (N.I.A.B.)	TL (52) 434604	C	50	35	33	44	45	38	60	47	51	49	53	42	547

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Hunts	Wyton	TL (52) 284745	C	46	35	34	41	47	41	55	50	51	48	54	42	544
Bedford	Woburn	SP (42) 964358	A	54	41	40	49	56	43	62	59	52	58	62	53	629
	Luton	TL (52) 089231	A	61	44	40	49	49	40	61	58	52	61	67	56	638
	Silsoe	TL (52) 091358	C	49	36	35	44	49	40	62	54	48	53	57	45	572
	Cardington	TL (52) 083464	C	45	34	33	40	46	36	53	48	47	49	53	43	527
Herts.	Letchworth	TL (52) 208347	C	49	37	35	47	48	38	63	52	49	55	58	43	574
	Bovingdon	TL (52) 007038	C	71	51	46	56	55	46	69	62	60	70	81	68	735
	Garston	TL (52) 125015	C	65	46	42	54	51	45	65	58	57	66	75	62	686
	Rothamsted	TL (52) 132134	A	69	48	43	53	53	43	68	58	59	66	77	64	701
	St. Albans	TL (52) 182076	C	62	43	40	48	47	40	60	53	54	62	71	59	639
	Eastwick Lodge	TL (52) 437118	C	56	40	37	47	42	40	60	52	54	59	63	52	602
Essex	Stansted	TL (52) 531226	C	58	41	38	50	46	42	66	54	57	61	64	55	632
	Writtle	TL (52) 677069	C	55	39	36	48	42	38	57	52	48	58	62	52	587
	Coryton	TQ (51) 746823	C	45	33	32	43	37	33	49	46	40	51	56	45	510
	Southend	TQ (51) 878858	C	47	36	33	42	40	33	51	49	41	56	60	48	536
	Maldon	TL (52) 863065	C	49	35	32	43	38	33	48	46	44	53	56	48	525
	Earls Colne	TL (52) 858288	C	60	40	38	47	42	40	60	52	48	62	64	55	608
	Shoeburyness	TQ (51) 948857	B	47	33	32	40	39	30	50	48	41	53	57	45	515
	Clacton	TM (62) 172143	A	51	36	33	42	38	34	53	43	48	57	61	51	547
	Dovercourt	TM (62) 242301	C	54	36	33	41	37	35	48	48	48	57	61	51	549

Averages of rainfall, 1916-1950, M.W.R. stations, (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov	Dec.	Year
Midland Counties																
Yorkshire W.R.	Slaidburn	SD (34) 715549	C	178	122	92	93	91	87	130	148	147	177	161	153	1579
	Malham Tarn	SD (34) 893672	C	182	127	89	92	89	84	119	141	129	170	159	150	1531
	Huddersfield	SE (44) 163165	C	86	71	53	54	57	47	64	69	63	79	83	68	794
	Huddersfield, Oakes	SE (44) 113177	A	102	84	64	64	68	57	77	82	74	99	99	86	956
	Bradford	SE (44) 149352	C	89	71	54	59	62	51	74	77	66	84	89	77	853
	Ilkley	SE (44) 113476	A	102	84	60	65	67	57	78	86	74	96	97	91	957
	Harrogate, Bilton	SE (44) 303579	A	80	62	50	53	62	51	72	74	63	75	79	71	792
	Sheffield	SK (43) 339873	C	77	61	51	53	58	48	70	71	59	75	82	74	779
	Wakefield	SE (44) 327199	A	64	54	43	46	56	41	65	67	53	62	65	54	670
	Rotherham	SK (43) 435923	C	60	49	41	44	48	41	59	62	50	57	62	55	628
	Pontefract	SE (44) 454213	C	55	47	35	42	51	41	61	63	50	54	59	48	606
	Bramham	SE (44) 441412	C	50	42	47	44	54	57	69	70	45	74	58	62	672
	Cawood	SE (44) 561366	C	59	43	37	43	51	46	65	64	52	56	60	52	628
	Askham Bryan	SE (44) 552475	C	63	45	38	46	54	49	66	68	55	59	63	55	661
Derby	Buxton	SK (43) 059738	A	140	101	73	85	73	81	99	105	100	126	126	123	1232
	Chapel-en-le-Frith	SK (43) 057809	C	116	92	65	71	74	73	90	93	91	113	114	106	1098
	Belper	SK (43) 346468	C	72	56	46	50	56	46	70	67	61	69	75	63	731
	Derby	SK (43) 359367	C	69	57	46	50	57	46	70	67	61	69	75	64	731
	Morley	SK (43) 386401	C	73	58	47	52	59	47	72	69	62	71	73	65	748
	Chesterfield	SK (43) 384717	C	75	60	51	51	53	46	64	68	58	71	76	69	742

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Notts.	Sutton Bonington	SK (43) 503262	C	55	43	36	43	47	37	60	56	47	54	56	49	583
	Watnall	SK (43) 506454	C	68	51	44	49	53	44	69	66	56	64	68	59	691
	Mansfield	SK (43) 543618	C	68	52	45	50	54	42	68	63	54	68	72	62	698
	Nottingham	SK (43) 568395	A	58	45	37	46	50	37	64	60	50	57	58	52	614
	Warsop	SK (43) 591699	C	54	44	38	40	46	38	56	57	46	56	61	51	587
Leics.	Newton Linford	SK (43) 530095	C	63	51	44	53	55	45	67	64	55	65	67	58	687
	Leicester, Towers	SK (43) 623042	A	60	45	40	51	55	46	68	67	56	64	63	55	670
Northants.	Caldecott	SP (42) 864932	C	54	37	36	45	44	41	56	55	48	54	58	48	576
	Bugbrook Mills	SP (42) 681586	C	55	41	38	49	48	38	56	53	52	57	60	52	599
	Raunds	SP (42) 991721	C	53	38	37	44	49	38	56	53	53	52	58	48	579
	Wittering	TF (53) 048032	C	~~53~~ 54	~~38~~ 38	~~36~~ 34	~~45~~ 42	~~47~~ 45	~~44~~ 42	~~57~~ 42	~~54~~ 61	~~50~~ 55	~~51~~ 54	~~57~~ 59	~~47~~ 49	~~579~~ 575
Warwicks.	Birmingham, K. Ed. Sch	SP (42) 051836	C	73	55	48	58	63	48	73	70	62	73	78	68	769
	" Edgbaston	SP (42) 046864	C	76	56	48	58	66	48	73	70	63	73	80	69	780
	Luddington	SP (42) 154528	C	55	39	36	46	52	40	59	56	54	58	57	48	600
	Stratford-on-Avon	SP (42) 197548	C	46	40	41	39	51	52	57	63	42	65	54	59	609
	Elmdon	SP (42) 171837	C	64	48	43	50	57	42	66	62	55	64	68	61	680
	Shipston-on-Stour	SP (42) 213407	C	63	47	42	50	59	43	63	61	60	61	68	57	674
	Wellesbourne	SP (42) 271565	C	58	43	40	48	54	42	62	58	58	60	62	51	636
	Moreton Morell	SP (42) 306553	C	58	43	42	49	54	42	62	59	58	59	62	52	640
	Coventry	SP (42) 337792	A	63	46	41	51	55	44	67	65	56	62	66	58	674
	Rugby	SP (42) 507749	C	60	43	40	51	52	44	63	60	55	61	65	54	648

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Oxford	Oxford	SP (42) 509072	A	60	45	42	48	52	43	61	57	56	64	66	58	652
Bucks.	Aylesbury	SP (42) 842114	C	60	44	41	49	53	41	67	57	56	64	69	57	658
Staffs.	Keele	SJ (33) 820446	C	81	54	54	55	65	57	82	85	73	88	84	79	859
	Stone	SJ (33) 878321	C	70	54	47	50	55	48	73	72	61	68	74	67	739
	Penkridge	SJ (33) 922115	C	66	49	44	48	56	47	72	67	58	69	67	60	703
	Onecote	SK (43) 035576	C	107	82	62	72	76	74	106	102	94	107	112	99	1093
	Walsall	SK (43) 012005	C	69	52	46	54	62	49	73	71	62	72	74	60	744
Salop	Oswestry	SJ (33) 278296	C	91	68	58	59	71	55	81	82	69	93	94	85	906
	Church Stretton	SO (32) 438909	C	90	66	60	65	68	55	76	81	69	88	93	85	896
	Shrewsbury	SJ (33) 514138	A	61	43	41	47	53	44	61	64	54	67	63	56	654
	Shawbury	SJ (33) 553220	C	62	44	42	46	54	43	63	64	55	68	63	56	660
	Bridgnorth	SO (32) 709932	C	64	46	43	50	57	43	67	65	52	66	67	59	679
	Newport	SJ (33) 712204	A	60	45	42	46	55	44	67	64	55	68	63	54	663
Worcs.	Malvern	SO (32) 790461	A	75	52	49	55	64	46	66	68	61	72	73	68	749
	Worcester, Redhill	SO (32) 873536	C	63	42	39	46	58	38	57	56	52	59	61	54	625
	Pershore Inst.	SO (32) 960450	C	59	41	41	47	59	42	62	61	56	62	62	55	647
	Halesowen	SO (32) 948822	C	74	49	45	56	66	49	77	70	60	74	77	64	761
Hereford	Lyonshall	SO (32) 339576	C	89	64	57	60	62	46	67	71	62	87	88	79	832
	Ross-on-Wye	SO (32) 598233	A	74	51	49	50	55	38	58	61	58	71	74	69	708
	Preston Wynne	SO (32) 565475	C	65	44	43	46	51	41	58	60	57	66	67	60	658

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Glos.	Bristol, Filton	ST (31) 598802	C	77	55	50	50	58	47	72	76	70	83	78	75	791
	Gloucester, Hempsted	SO (32) 811157	C	70	51	48	52	56	46	66	69	62	72	72	68	732
	Cheltenham	SO (32) 946218	C	63	48	42	49	51	44	59	59	56	66	69	62	668
	Cirencester	SP (42) 004012	C	85	62	56	59	66	53	72	78	72	83	86	79	851
	Little Rissington	SP (42) 209191	C	76	57	52	57	58	47	64	65	66	75	80	75	772
England S.E.																
London	Kensington Palace	TQ (51) 259801	A	58	42	39	49	47	47	63	58	53	60	66	56	638
	Hampstead	TQ (51) 262863	A	63	46	41	54	51	47	67	61	57	66	71	61	685
	St. James' Park	TQ (51) 299799	A	52	38	38	47	45	42	58	55	51	56	62	51	595
	Regents' Park	TQ (51) 283826	C	59	44	40	51	48	46	63	61	54	61	69	58	654
	Camden Square	TQ (51) 296846	A	58	43	40	50	45	46	61	59	55	60	66	56	639
	Greenwich, M.Museum	TQ (51) 387776	C	50	39	37	45	44	40	56	55	46	53	60	50	575
Middlesex	London Airport	TQ (51) 077768	C	57	41	38	45	46	39	56	52	51	60	64	54	603
	Hampton	TQ (51) 131695	C	53	39	36	46	44	41	59	51	46	56	62	54	587
	Southgate	TQ (51) 299952	C	59	43	40	53	45	41	59	57	54	61	67	57	636
Surrey	Wisley	TQ (51) 063583	A	62	46	41	51	47	43	67	55	49	64	72	64	661
	Mickleham	TQ (51) 173527	C	77	59	48	57	49	43	63	60	57	72	86	80	751
	Kew Observatory	TQ (51) 171757	A	55	39	37	46	46	44	62	57	50	57	63	52	608
	Gatwick	TQ (51) 265407	C	78	55	48	58	50	44	65	65	57	81	87	81	769
	Croydon, Waddon	TQ (51) 314639	A	65	51	43	55	~~58~~ 48	41	62	60	54	68	76	70	693
	Addington	TQ (51) 352643	A	69	53	45	58	51	44	67	64	57	74	80	73	735

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Kent	Bromley	TQ (51) 399693	C	57	45	41	52	47	40	58	55	49	64	70	60	638
	Swanley	TQ (51) 512701	C	55	43	38	49	45	41	57	54	46	58	68	55	609
	Dartford	TQ (51) 542736	C	50	38	35	46	42	37	54	50	46	53	62	51	564
	Tunbridge Wells	TQ (51) 588392	A	77	57	50	57	53	44	58	62	56	83	92	80	769
	Goudhurst	TQ (51) 722333	C	87	61	53	59	53	45	64	70	62	93	100	87	834
	E. Malling	TQ (51) 711568	A	63	47	42	53	49	41	60	59	53	72	78	66	683
	Gillingham	TQ (51) 785692	C	56	44	39	47	45	36	58	53	47	63	69	58	615
	Sittingbourne	TQ (51) 891613	C	51	48	53	43	46	58	59	59	54	86	74	70	701
	Isle of Grain	TQ (51) 871749	C	45	34	32	40	38	29	48	44	39	53	57	48	507
	Throwley	TQ (51) 983518	C	62	58	62	49	49	61	61	66	62	97	84	85	796
	Dungeness	TR (61) 094169	A	62	42	38	45	42	33	51	51	51	78	78	65	636
	Wye	TR (61) 057469	C	76	56	49	55	53	41	64	64	58	87	91	79	773
	Whitstable	TR (61) 112665	C	49	34	34	40	37	33	50	49	44	63	66	50	549
	Folkestone	TR (61) 227358	A	65	47	40	47	43	36	56	52	54	78	84	68	670
	Herne Bay	TR (61) 171681	C	52	37	36	42	39	34	52	51	46	66	69	54	578
	Dover	TR (61) 320410	B	71	52	46	51	44	41	60	57	58	85	93	74	732
	Dover R.M.S.	TR (61) 327439	C	84	58	49	57	55	44	70	68	69	98	110	86	848
	Manston	TR (61) 335666	C	49	36	32	38	39	34	51	50	50	65	67	49	560
	Ramsgate	TR (61) 385648	B	52	38	33	39	40	36	56	54	53	68	69	52	590
	Margate	TR (61) 361714	A	47	35	31	36	36	31	50	49	50	63	64	48	540
Sussex	Thorney Island	SU (41) 756027	C	76	52	44	45	44	36	52	54	53	73	80	72	681
	Bognor Regis	SZ (40) 934989	C	80	56	48	50	48	39	53	59	56	78	85	78	730
	Fernhurst	SU (41) 906267	C	98	68	58	60	58	46	68	69	66	88	107	99	885
	Littlehampton	TQ (51) 033018	C	77	53	46	47	46	40	56	58	55	77	87	75	717

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Sussex (ctd.)	Worthing	TQ (51) 153029	A	75	51	44	45	42	39	54	58	55	75	87	73	698
	Brighton	TQ (51) 313054	C	72	49	44	46	41	39	55	58	55	72	85	72	688
	Seaford	TV (50) 486990	A	73	51	45	48	44	42	55	63	60	80	91	78	730
	Eastbourne	TV (50) 611980	A	82	55	50	51	44	41	57	62	64	91	101	85	783
	" (Cgd Sta)	TV (50) 622999	C	82	55	50	51	44	42	56	67	63	90	97	84	781
	Bexhill	TQ (51) 737072	C	72	50	45	48	44	39	54	57	57	82	90	78	716
	Bodiham	TQ (51) 785249	C	82	59	51	55	53	43	62	66	61	89	99	84	804
	Hastings	TQ (51) 809094	C	72	51	46	49	44	39	57	57	56	83	92	79	725
Berkshire	Abingdon	SU (41) 482990	C	54	43	39	47	48	37	62	53	51	63	63	51	611
	Woolhampton	SU (41) 578681	C	62	45	43	49	49	41	63	59	55	67	70	63	666
	Shinfield	SU (41) 734686	B	62	45	42	47	46	41	64	58	54	67	70	59	655
	Reading, Univ.	SU (41) 738748	A	61	45	43	48	47	41	64	56	53	66	70	59	653
	" Seed Trial Gr.	SU (41) 738738	C	58	42	41	46	44	39	60	53	51	62	65	55	616
	Hurley	SU (41) 823829	C	65	47	41	49	48	40	65	58	54	66	71	61	665
Hants.	Bournemouth	SZ (40) 071917	C	90	58	52	51	48	40	56	63	64	88	95	88	793
	Hurn	SZ (40) 116978	C	87	58	52	50	48	39	55	61	62	82	93	87	774
	Christchurch	SZ (40) 155937	C	87	58	51	50	48	39	55	60	62	84	92	85	771
	Everton	SZ (40) 303937	C	83	55	49	47	45	38	53	57	59	81	85	80	732
	Southampton	SU (41) 419119	A	87	59	53	55	52	44	61	66	65	84	92	86	804
	Leckford	SU (41) 393362	C	82	60	51	57	49	47	65	60	63	88	91	89	802
	Winchester	SU (41) 484300	C	83	60	50	57	52	47	70	66	66	82	92	87	812
	Martyr Worthy	SU (41) 517338	C	79	57	47	54	48	44	67	62	62	78	86	81	765

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Hants. (ctd.)	Southsea	SZ (40) 640990	A	78	54	47	48	44	36	51	55	56	77	83	77	706
	Long Sutton	SU (41) 748467	C	85	59	52	57	53	44	69	63	61	82	90	81	796
	Alice Holt Lodge	SU (41) 804429	C	85	59	52	56	53	44	68	62	61	81	90	83	794
	S. Farnborough	SU (41) 867544	A	69	49	43	51	49	41	65	57	53	66	73	69	685
Isle of Wight	St. Catherines Pt.	SZ (40) 506755	A	85	55	49	50	47	35	54	54	60	86	92	84	751
	Ventnor Park	SZ (40) 560774	C	93	61	54	54	50	39	59	60	77	95	101	91	824
	Shanklin	SZ (40) 581808	C	104	68	59	59	52	42	64	66	63	104	111	101	903
	Sandown	SZ (40) 602844	C	89	58	50	50	45	36	55	56	62	88	95	87	771
	Ryde	SZ (40) 595929	A	87	58	49	49	44	35	53	58	62	86	92	87	760
Wiltshire	Lacock	ST (31) 923702	C	73	55	48	50	57	49	63	65	63	72	77	68	740
	W. Lavington	SU (41) 000535	C	78	55	48	54	57	47	67	64	66	80	81	77	774
	Lyneham	SU (41) 012786	C	71	53	46	52	56	47	65	63	61	73	75	70	732
	Larkhill	SU (41) 137444	B	71	51	46	49	49	42	65	57	57	77	80	75	719
	Boscombe Down	SU (41) 172393	C	74	52	45	50	47	41	63	59	60	74	81	77	723
	Upavon	SU (41) 164547	C	78	55	48	52	52	44	67	65	64	79	83	81	768
	Marlborough	SU (41) 185686	A	87	63	54	63	59	49	73	69	70	87	91	88	853
	Porton	SU (41) 210366	B	75	55	47	52	48	43	61	59	63	78	85	81	747
England N.W.																
Cumberland	Sellafield	NY (35) 027032	C	108	70	67	62	70	67	100	108	109	120	112	109	1102
	Newton Rigg	NY (35) 493310	C	101	62	56	52	54	55	78	84	79	97	85	84	887
Westmorland	Ambleside	NY (35) 372040	C	235	153	119	102	98	96	132	155	174	212	208	206	1890
	Moor House	NY (35) 758328	C	227	144	132	130	134	121	186	194	192	212	198	192	2062

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Lancashire	Squires Gate	SD (34) 316317	C	81	55	48	47	60	56	73	89	83	94	86	80	852
	Urswick	SD (34) 268742	C	121	75	72	66	75	72	97	116	119	129	121	116	1179
	Southport	SD (34) 371208	C	79	55	49	47	59	55	73	88	82	91	88	78	844
	Poulton-le-Fylde	SD (34) 346384	C	90	62	52	51	64	59	82	97	91	104	94	88	934
	Speke	SJ (33) 415839	C	72	52	45	43	58	52	74	79	72	79	75	72	773
	Kirkham	SD (34) 414346	C	92	63	53	51	64	64	86	101	96	108	94	89	961
	Morecambe	SD (34) 431645	A	98	65	54	52	65	63	83	100	98	107	98	92	975
	Garstang	SD (34) 469480	C	93	63	52	51	61	64	88	98	99	108	94	90	961
	Preston	SD (34) 537311	A	97	68	55	56	67	68	91	105	98	108	99	91	1003
	Stonyhurst	SD (34) 692388	A	126	92	67	68	71	77	103	125	116	135	120	113	1213
	Helmshore	SD (34) 774205	C	169	123	92	94	92	94	122	152	135	165	162	139	1539
	Nelson	SD (34) 872384	C	119	92	61	68	69	70	93	111	102	125	117	106	1133
	Rochdale	SD (34) 886129	C	119	90	66	68	75	72	98	115	98	119	120	108	1148
Cheshire	W. Kirby Park	SJ (33) 216865	C	73	52	47	46	59	52	70	77	71	81	75	72	775
	Bidston Ob's'y	SJ (33) 287897	A	65	49	42	43	57	50	70	80	67	76	71	67	737
	Winnington	SJ (33) 643747	A	74	54	45	48	56	54	69	78	69	80	74	69	770
	Knutsford	SJ (33) 757783	C	80	59	48	50	60	63	80	86	73	85	81	75	840
	Ringway	SJ (33) 818850	C	76	60	45	48	57	59	79	81	68	82	77	70	802
	Macclesfield	SJ (33) 911741	A	86	69	52	62	64	69	93	90	79	92	87	80	923
N. Wales																
Flint	Rhyl	SJ (33) 002807	B	64	47	42	40	54	42	53	63	67	76	65	63	676
	Prestatyn	SJ (33) 065831	C	69	50	45	43	57	49	59	69	69	78	70	68	726
	Hawarden Bridge	SJ (33) 322693	C	64	50	43	45	54	46	63	68	59	73	70	63	698

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Anglesey	Valley	SH (23) 310758	C	91	58	53	48	57	51	64	74	80	98	91	90	855
Denbigh	Colwyn Bay	SH (23) 857786	C	75	55	47	44	53	48	55	65	71	84	74	75	746
	Alwen	SH (23) 957529	C	144	102	80	78	78	76	90	106	109	139	130	132	1264
	Bwlchgwyn	SJ (33) 236520	C	100	83	71	73	80	68	88	98	91	118	115	107	1092
	Wrexham	SJ (33) 338507	C	75	60	51	57	57	46	66	69	61	81	82	69	774
Caernarvon	Bryn Adda	SH (23) 563705	C	125	87	73	66	75	76	88	104	112	136	127	124	1193
	Cwm Dyli	SH (23) 654542	C	403	282	218	207	185	225	282	321	317	389	364	375	3568
	Aber	SH (23) 650728	C	111	79	65	59	67	68	78	92	99	119	111	109	1057
	Llandudno	SH (23) 776818	A	75	55	47	43	53	45	53	65	69	82	72	74	733
Merioneth	Blaenau Ffestniog	SH (23) 701458	C	283	212	148	143	140	171	202	229	227	281	263	252	2551
	Corwen	SJ (33) 048399	C	118	91	69	67	77	63	78	88	83	123	114	111	1082
Montgomery	Lake Vyrnwy	SJ (33) 016192	C	205	152	101	103	93	93	113	129	127	180	177	182	1655
S. Wales																
Cardigan	Aberporth	SN (22) 247516	C	118	79	70	60	60	53	80	84	85	119	119	114	1041
	Aberystwyth	SN (22) 580815	C	97	73	56	54	56	62	83	89	88	106	96	94	954
	" P.B.S.	SN (22) 605825	C	94	74	80	59	60	70	88	109	81	119	107	116	1057
	Gogerddan	SN (22) 627836	C	102	78	61	58	61	67	89	96	94	115	102	101	1024
	Swyddffnnon	SN (22) 696655	C	138	101	81	78	76	80	111	114	113	141	138	139	1310
	Trawscoed	SN (22) 674736	C	124	91	72	72	68	73	106	107	103	133	127	124	1200
	Llety-evan-hen	SN (22) 693851	C	149	111	83	86	79	90	120	133	132	160	146	141	1430
Pembroke	Brawdy	SM (12) 852248	C	133	87	76	62	68	59	93	96	97	129	136	129	1165
	Haverfordwest	SM (12) 955153	C	134	88	77	61	68	59	95	98	98	130	140	131	1179

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Radnor	Llandrindod Wells	SO (32) 061605	C	116	82	66	67	69	61	80	80	80	108	113	110	1032
Glamorgan	Swansea	SS (21) 642923	C	120	82	63	61	67	61	89	98	97	119	120	115	1092
	Port Talbot	SS (21) 789867	C	114	78	63	62	68	61	96	101	100	116	118	111	1088
	Neath	SS (21) 718957	C	134	92	73	74	77	69	107	113	112	137	137	132	1257
	Porthcawl	SS (21) 822771	C	102	69	61	57	63	52	83	95	92	104	103	99	980
*	Rhoose	ST (31) 060670	C	97	63	54	57	61	49	77	88	87	101	97	91	922
	Cardiff	ST (31) 195793	A	116	76	65	65	74	58	87	98	93	114	112	111	1069
Monmouth	Tredegar	SO (32) 141086	C	183	139	106	100	95	87	126	129	129	183	182	177	1636
	Newport	ST (31) 279849	C	114	74	64	63	68	56	85	95	86	107	105	105	1022
	Usk	SO (32) 368018	C	114	75	68	64	67	52	82	88	82	105	106	105	1008
	Crumbland Plantation	SO (32) 474024	C	112	75	69	65	68	58	88	91	87	108	108	105	1034
England S.W.																
Somerset	Hawkridge	SS (21) 877327	C	168	124	91	96	86	69	111	123	126	158	175	169	1496
	Connington	ST (31) 258400	C	74	53	48	50	56	41	63	72	65	81	81	76	760
	Weston-super-Mare	ST (31) 318602	A	77	55	50	52	59	45	68	88	76	91	84	78	823
	Long Ashton	ST (31) 533698	A	88	65	57	57	64	54	79	91	82	101	93	89	920
	Bath, City Boys Sch.	ST (31) 751638	C	75	58	53	53	59	48	72	74	66	83	81	75	797
Dorset	Portland Bill	SY (30) 677684	C	73	53	45	40	45	34	48	48	55	73	83	78	675
	Weymouth	SY (30) 676791	A	81	59	51	46	50	37	55	55	63	82	95	89	763
	Shaftesbury	ST (31) 861228	C	88	62	54	54	54	48	68	71	68	85	94	88	834
	Swanage	SZ (40) 030794	C	88	58	50	47	48	37	58	60	65	84	93	88	776
	Poole	SZ (40) 027915	C	91	60	53	51	51	41	57	63	65	90	96	90	808

* please note changes in average

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Devon	Hartland Point	SS (21) 231277	C	102	67	57	51	56	49	71	76	80	105	106	103	923
	Mount Batten	SX (20) 492529	C	110	79	69	56	61	51	65	73	73	97	114	115	963
	Plymouth, The Hoe	SX (20) 478537	A	109	78	69	56	60	51	65	73	74	97	113	114	959
	Chivenor	SS (21) 494347	C	103	66	56	55	52	47	69	79	78	101	102	103	911
	Ilfracombe	SS (21) 520478	A	105	71	62	58	57	49	76	80	85	111	109	111	974
	Totnes	SX (20) 788620	C	142	98	88	76	75	57	77	88	88	116	146	144	1195
	Newton Abbot	SX (20) 828729	C	120	81	73	63	64	48	66	74	76	98	122	120	1005
	Paignton	SX (20) 891608	C	115	80	74	64	64	50	60	74	74	93	120	114	982
	Torquay	SX (20) 909638	A	104	73	67	58	58	45	55	67	67	84	108	103	889
	Teignmouth	SX (20) 941728	A	96	68	64	54	58	42	55	62	65	83	99	98	844
	Starcross	SX (20) 972821	C	95	65	64	58	59	45	62	68	66	85	99	96	862
	Exmouth	SY (30) 015813	C	90	64	62	57	59	46	60	68	69	82	95	94	846
	Exeter	SX (20) 995937	C	96	68	60	54	56	43	63	69	66	82	99	94	850
	Sidmouth	SY (30) 124873	C	88	60	56	51	52	40	56	63	65	76	91	87	785
Cornwall	St. Mary's, Scilly	SV (00) 913120	A	90	69	64	54	55	44	56	64	63	91	92	89	831
	Penzance	SW (10) 473300	A	127	89	80	64	62	50	70	75	80	111	124	123	1055
	Gulval	SW (10) 486317	C	122	85	76	60	60	47	67	71	76	106	119	118	1007
	Culdrose	SW (10) 669264	C	106	74	69	55	54	43	60	65	69	95	107	106	903
	Rosewarne	SW (10) 643412	C	112	81	74	59	59	47	65	70	74	102	114	112	969
	Lizard	SW (10) 701119	C	101	72	61	51	50	42	54	60	60	88	99	99	837
	Falmouth	SW (10) 802325	A	132	95	81	67	66	50	71	77	78	117	132	134	1100
	Newquay	SW (10) 812614	A	97	68	59	49	55	45	67	68	67	96	100	97	868

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District and County	Station Name	N.G.R.		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Cornwall (ctd.)	St. Mawgan	SW (10 871642	C	108	76	66	55	62	50	76	76	75	107	111	108	970
	St. Austell	SX (20 018525	A	143	103	89	74	78	59	86	91	91	128	143	143	1228
	Bude	SS (21) 208603	B	94	64	55	49	53	45	68	72	75	96	100	97	868
	Ellbridge	SX (20) 401632	C	118	82	71	61	66	55	75	82	81	109	122	125	1047
Channel Islands		U.T.M.G.R.														
Guernsey	States Airport	WV (554)294759	C	94	68	61	53	52	40	55	61	73	92	113	100	862
Jersey	States Airport	WV (554)588508	C	92	66	56	53	47	38	51	63	68	87	114	98	833
	St. Helier	WV (554)651483	C	85	60	51	49	43	35	47	57	63	80	105	90	765